

```

      Set  Items  Description
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? E AU=AGGER, ELSE

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Ref  Items  Index-term
E1    0  *AU=AGGER, ELSE
E2    2  AU=AGGER, ELSE M
E3    5  AU=AGGER, ELSE M
E4   61  AU=AGGER, ELSE MARI E
E5    5  AU=AGGER, ELSE- MARI E
E6   28  AU=AGGER, EM
E7    1  AU=AGGER, EUGENE EWALD
E8    2  AU=AGGER, F.
E9    1  AU=AGGER, FRODE
E10   3  AU=AGGER, G
E11   1  AU=AGGER, H. E.
E12   1  AU=AGGER, HELEN OLSEN

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      Enter P or PAGE for more
? S E1-E12 AND ( MYCOBAC? OR APOLAR OR NONPOLAR)
      0  AU=AGGER, ELSE
      2  AU=AGGER, ELSE M
      5  AU=AGGER, ELSE M
     61  AU=AGGER, ELSE MARI E
      5  AU=AGGER, ELSE- MARI E
     28  AU=AGGER, EM
      1  AU=AGGER, EUGENE EWALD
      2  AU=AGGER, F.
      1  AU=AGGER, FRODE
      3  AU=AGGER, G
      1  AU=AGGER, H. E.
      1  AU=AGGER, HELEN OLSEN
    664808 MYCOBAC?
    26258  APOLAR
    89988  NONPOLAR
      S1    71  E1-E12 AND ( MYCOBAC? OR APOLAR OR NONPOLAR)
? RD

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>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S2 37 RD (unique items)

? T S2/3, K/1-37

>>>KW C option is not available in file(s): 399

2/3, K/1 (Item 1 from file: 24)  
 DI ALOG(R) File 24: CSA Life Sciences Abstracts  
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0004193078 IP ACCESSI ON NO: 13104607  
 Immunological Memory Transferred with CD4 T Cells Specific for Tuberculosis  
 Antigens Ag85B-TB10.4: Persisting Antigen Enhances Protection

Duffy, Darragh; Dawoodji, Amina; Agger, Else Marie; Andersen,  
 Peter; Westermann, Juergen; Bell, Eric B  
 Immunology Section, University of Manchester, Manchester, United Kingdom

PLoS ONE, v 4, n 2, p [np], December 14, 2009  
 PUBLI CATI ON DATE: 2009

PUBLISHER: BioMed Central Ltd., Middlesbrough House London W1T 4LB United Kingdom

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ELECTRONIC ISSN: 1932-6203

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts  
Duffy, Darragh; Dawoodji, Amina; Agger, Else Marie; Andersen, Peter; Westermann, Juergen; Bell, Eric B

ABSTRACT:

... tuberculosis has stimulated efforts to develop a new vaccine to replace BCG. A number of *Mycobacterium tuberculosis* (Mtb)-specific antigens have been synthesised as recombinant subunit vaccines for clinical evaluation. Recently...

... DESCRIPTORS: Fusion protein; Immunological memory; Life span; Lymphocytes T; Memory cells; Morbidity; Tuberculosis; Vaccines; gamma-Interferon; *Mycobacterium tuberculosis*

2/3, K/2 (Item 2 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0004078223 IP ACCESSION NO: 12492487

Adjuvants Induce Distinct Immunological Phenotypes in a Bovine Tuberculosis Vaccine Model

Vordermeier, HMartin; Dean, Gillian S; Rosenkrands, Ida; Agger, Else Marie; Andersen, Peter; Kaveh, Daryan A; Hewinson, R Glynn; Hogarth\*, Philip J  
TB Research Group, Veterinary Laboratories Agency-Weybridge, Addlestone, Surrey KT15 3NB, United Kingdom [mailto:p.j.hogarth@vla.defra.gsi.gov.uk]

Clinical and Vaccine Immunology, v 16, n 10, p 1443-1448, October, 2009  
PUBLICATION DATE: 2009

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.  
Washington, DC 20036 USA

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 1556-679X

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

Vordermeier, HMartin; Dean, Gillian S; Rosenkrands, Ida; Agger, Else Marie; Andersen, Peter; Kaveh, Daryan A; Hewinson, R Glynn; Hogarth\*, Philip J

ABSTRACT:

Tuberculosis (TB) remains one of the most important infectious diseases of humans and animals. *Mycobacterium bovis* BCG, the only currently available TB vaccine, demonstrates variable levels of efficacy; therefore, a...

... shown promise but require the use of adjuvants to enhance their

10563731APOLAR.txt

immunogenicity. Using the protective mycobacterial antigen Rv3019c, we have evaluated the induction of relevant immune responses by adjuvant formulations directly...

DESCRIPTORS: Adjuvants; Animal models; BCG; Effector cells; Immune response; Immunogenicity; Infectious diseases; Oil; Proteins; Tuberculosis; Vaccines; Mycobacterium bovis

2/3, K/3 (Item 3 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0003791889 IP ACCESSION NO: 10083296  
A Liposome-Based Mycobacterial Vaccine Induces Potent Adult and Neonatal Multifunctional T Cells through the Exquisite Targeting of Dendritic Cells

Kamath, Arun T; Rochat, Anne-Françoise; Christensen, Dennis; Agger, Else Marie; Andersen, Peter; Lambert, Paul-Henri; Siegrist, Claire-Anne; Unutmaz, Derya  
World Health Organization Collaborating Center for Vaccinology and Neonatal Immunology, Departments of Pathology-Immunology and Pediatrics, Medical Faculty of the University of Geneva, Geneva, Switzerland

PLoS ONE, v 4, n 6, p e5771, 2009  
PUBLICATION DATE: 2009

PUBLISHER: BioMed Central Ltd., Middlesex House

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ELECTRONIC ISSN: 1932-6203  
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

A Liposome-Based Mycobacterial Vaccine Induces Potent Adult and Neonatal Multifunctional T Cells through the Exquisite Targeting of Dendritic...

Kamath, Arun T; Rochat, Anne-Françoise; Christensen, Dennis; Agger, Else Marie; Andersen, Peter; Lambert, Paul-Henri; Siegrist, Claire-Anne; Unutmaz, Derya

#### ABSTRACT:

... CAF01 was identified as a remarkable formulation. Based on cationic liposomes and including a synthetic mycobacterial glycolipid as TLR-independent immunomodulator, it induces strong and protective T helper-1 and T helper-17 adult murine responses to Ag85B-ESAT-6, a major mycobacterial fusion protein. Here, we assessed whether these properties extend to early life and how CAF01...

... DESCRIPTORS: Fusion protein; Glycolipids; Helper cells; Immunization; Immunomodulation; Liposomes; Lymph nodes; Lymphocytes T; Neonates; Tuberculosis; Vaccines; Mycobacterium

2/3, K/4 (Item 4 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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10563731APOLAR.txt

0003731400 IP ACCESSION NO: 9131998

Adjuvant modulation of the cytokine balance in *Mycobacterium tuberculosis* subunit vaccines; immunity, pathology and protection

Agger, Else Marie; Cassidy, Joseph P; Brady, Joseph; Korsholm, Karen S; Vingsbo-Lundberg, Carina; Andersen, Peter  
1Department of Infectious Disease Immunology, Statens Serum Institut, Copenhagen, Denmark, [mailto:eag@ssi.dk]

Immunology, v 124, n 2, p 175-185, June 2008  
PUBLICATION DATE: 2008

PUBLISHER: Blackwell Publishing Ltd., 9600 Garsington Road

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0019-2805

ELECTRONIC ISSN: 1365-2567

FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)  
Adjuvant modulation of the cytokine balance in *Mycobacterium tuberculosis* subunit vaccines; immunity, pathology and protection

Agger, Else Marie; Cassidy, Joseph P; Brady, Joseph; Korsholm, Karen S; Vingsbo-Lundberg, Carina; Andersen, Peter

ABSTRACT:

... and studied cellular responses, bacterial replication and pathology in the lungs of mice infected with *Mycobacterium tuberculosis*. All vaccines induced cell-mediated and humoral responses but with markedly different interferon- gamma...

... DESCRIPTORS: Liposomes; Lung; Lymphocytes T; Macrophages; Monophosphoryl lipid A; Nitric oxide; Replication; Tuberculosis; Vaccines; gamma-Interferon; *Mycobacterium tuberculosis*

2/3, K/5 (Item 5 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0003400874 IP ACCESSION NO: 8607482

Comparison of vesicle based antigen delivery systems for delivery of hepatitis B surface antigen

Vangala, Anil; Bramwell, Vincent W; McNeil, Sarah; Christensen, Dennis; Agger, Else Marie; Perrie, Yvonne  
Medicines Research Unit, School of Life and Health Sciences, Aston University, Birmingham, B4 7ET, UK, [mailto:y.perrie@aston.ac.uk]

Journal of Controlled Release, v 119, n 1, p 102-110, May 2007  
PUBLICATION DATE: 2007

PUBLISHER: Elsevier Science, The Boulevard Langford Lane Kidlington Oxford OX5 1GB UK, [mailto:nlinfo-f@elsevier.nl], [URL: http://www.elsevier.nl]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0168-3659

FILE SEGMENT: Virology & AIDS Abstracts; Biotechnology Research Abstracts  
Vangala, Anil; Bramwell, Vincent W; McNeil, Sarah; Christensen, Dennis;  
Agger, Else Marie; Perrie, Yvonne

ABSTRACT:

... cholesterol (DC-Chol) or dimethyl dioctadecyl ammonium bromide (DDA)  
with hepatitis B surface antigen (HBsAg). Synthetic mycobacterial  
cord factor, trehalose 6,6'-dibehenate (TDB) has been used as an adjuvant  
and the...

... DESCRIPTORS: Immunogenicity; Interleukin 2; Lecithin; Lymphocytes T;  
Splenicocytes; Surfactants; Temperature effects; Trehalose; Vaccines;  
Vesicles; amines; bromides; Mycobacterium

2/3, K/6 (Item 6 from file: 24)  
DI ALOG(R) File 24: CSA Life Sciences Abstracts  
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0003359034 IP ACCESSION NO: 8473032  
Liposomes act as stronger sub-unit vaccine adjuvants when compared to  
microspheres

Kirby, DJ; Rosenkrands, I; Agger, EM; Andersen, P; Coombes, AGA;  
Perrie, Y  
Medicines Research Unit, School of Life and Health Sciences, Aston  
University, Birmingham B4 7ET, UK, [mailto:y.perrie@aston.ac.uk]

Journal of Drug Targeting, v 16, n 7-8, p 543-554, 2008  
PUBLICATION DATE: 2008

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 1061-186X  
FILE SEGMENT: Immunology Abstracts; Biotechnology Research Abstracts

Kirby, DJ; Rosenkrands, I; Agger, EM; Andersen, P; Coombes, AGA;  
Perrie, Y

DESCRIPTORS: Adjuvants; Ammonium; Drug delivery; Evaporation; Immune  
response; Liposomes; Solvents; Surfactants; Tuberculosis; Vaccines;  
bromides; microspheres; Mycobacterium

2/3, K/7 (Item 7 from file: 24)  
DI ALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2010 CSA. All rights reserved.

0003254542 IP ACCESSION NO: 8228784  
PLGA microspheres for the delivery of a novel subunit TB vaccine

Kirby, DJ; Rosenkrands, I; Agger, EM; Andersen, P; Coombes, AGA;  
Perrie, Y  
Medicines Research Unit, School of Life and Health Sciences, Aston  
University, Birmingham B4 7ET, UK, [mailto:y.perrie@aston.ac.uk]

Journal of Drug Targeting, v 16, n 4, p 282-293, 2008  
PUBLICATION DATE: 2008

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 1061-186X

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts  
; Biotechnology Research Abstracts

Kirby, DJ; Rosenkrands, I; Agger, EM; Andersen, P; Coombes, AGA;  
Perrie, Y

... DESCRIPTORS: Immunization; Immunostimulation; Lipids; Liposomes;  
Particle size; Solvents; Trehalose; Tuberculosis; Vaccines; bromides  
; microspheres; polylactide-co-glycolide; Mycobacterium

2/3, K/8 (Item 8 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2010 CSA. All rights reserved.

0002971996 IP ACCESSION NO: 7207618  
The Combined CTA1-DD/ISCOMs Vector Is an Effective Intranasal Adjuvant for  
Boosting Prior Mycobacterium bovis BCG Immunity to  
Mycobacterium tuberculosis

Andersen, Claire Swetman; Dietrich, Jes; Agger, Else Marie; Lycke,  
Nils Y; Loevgren, Karin; Andersen, Peter  
Statens Serum Institute, Adjuvant/Vaccine Research, Department of  
Infectious Disease Immunology, Copenhagen, Denmark. Department of Clinical  
Immunology, M VAC, University of Goeteborg, Goeteborg, Sweden. Isconova,  
Uppsala, Sweden

Infection and Immunity, v 75, n 1, p 408-416, January 2007  
PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1752 N Street N.W  
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0019-9567

ELECTRONIC ISSN: 1098-5522

FILE SEGMENT: Biotechnology Research Abstracts; Immunology Abstracts;  
Bacteriology Abstracts (Microbiology B)

The Combined CTA1-DD/ISCOMs Vector Is an Effective Intranasal Adjuvant for  
Boosting Prior Mycobacterium bovis BCG Immunity to  
Mycobacterium tuberculosis

Andersen, Claire Swetman; Dietrich, Jes; Agger, Else Marie; Lycke,  
Nils Y; Loevgren, Karin; Andersen, Peter

ABSTRACT:

Infection with Mycobacterium tuberculosis, the causative agent of  
tuberculosis (TB), remains one of the leading causes of mortality  
worldwide. The current "gold standard" vaccine Mycobacterium bovis  
BCG has a limited efficacy that wanes over time. The development of a  
vaccine...

10563731APOLAR.txt

... DESCRIPTORS: BCG; CD4 antigen; Fusion protein; ISCOMs; Immunity;  
Lung; Lymphocytes T; Mortality; Pathogens; Tuberculosis; Vaccines;  
Vectors; Mycobacterium bovis; Mycobacterium tuberculosis

2/3, K/9 (Item 9 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002832769 IP ACCESSION NO: 6869039  
Protective immunity to tuberculosis with Ag85B-ESAT-6 in a synthetic  
cationic adjuvant system IC31

Agger, Else Marie; Rosenkrands, Ida; Olsen, Anja Weinreich; Hatch,  
Graham; Williams, Ann; Kritsch, Constantia; Lingnau, Karen; Von Gabain,  
Alexander; Andersen, Claire Swetman; Korsholm Karen Smith; Andersen,  
Peter  
Department of Infectious Disease Immunology, Statens Serum Institut,  
Adjuvant Research, 5 Artillerivej, DK-2300 Copenhagen S, Denmark,  
[mailto:eag@ssi.dk]

Vaccine, v 24, n 26, p 5452-5460, June 2006  
PUBLICATION DATE: 2006

PUBLISHER: Butterworth-Heinemann, 313 Washington St. Newton MA 02158 USA

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0264-410X

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Medical &  
Pharmaceutical Biotechnology Abstracts; Immunology Abstracts

Agger, Else Marie; Rosenkrands, Ida; Olsen, Anja Weinreich; Hatch,  
Graham; Williams, Ann; Kritsch, Constantia; Lingnau, Karen...

#### ABSTRACT:

... for the ability to augment the immune response and protective efficacy  
of the well-known mycobacterial vaccine antigen, Ag85B-ESAT-6. The  
IC31 adjuvant, consisting of a vehicle based on the...

... DESCRIPTORS: T; gamma-Interferon; Oligonucleotides; TLR9 protein;  
CD4 antigen; Toll-like receptors; Cationic peptides; Helper cells;  
Mycobacterium tuberculosis

2/3, K/10 (Item 10 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2010 CSA. All rights reserved.

0002829853 IP ACCESSION NO: 6836134  
Re-formulation of selected DNA vaccine candidates and their evaluation as  
protein vaccines using a guinea pig aerosol infection model of tuberculosis

Vipond, Julia; Clark, Simon O; Hatch, Graham J; Vipond, Richard;  
Agger, Else Marie; Tree, Julia A; Williams, Ann; Marsh, Philip D  
Research Division, Health Protection Agency, Porton Down, Salisbury SP4  
0JG, UK, [mailto:julia.vipond@pa.org.uk]

Tuberculosis, v 86, n 3-4, p 218-224, 2006  
PUBLICATION DATE: 2006

PUBLISHER: Harcourt Publishers Ltd., Robert Stevenson House 1-3 Baxter's Place, Leith Walk Edinburgh EH1 3AF UK, [mailto:Claire.Wilson@harcourt.com], [URL: <http://www.idealibrary.com/>]

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 1472-9792  
FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Vipond, Julia; Clark, Simon O; Hatch, Graham J; Vipond, Richard;  
Agger, Else Marie; Tree, Julia A; Williams, Ann; Marsh, Philip D

ABSTRACT:

A selection of previously identified protective *Mycobacterium tuberculosis* DNA vaccines were re-formulated as proteins and administered with a Th1-inducing adjuvant...

DESCRIPTORS: Tuberculosis; Aerosols; Animal models; DNA vaccines;  
Lymphocytes; Adjuvants; Immunoglobulin G; Lung; BCG;  
*Mycobacterium tuberculosis*

2/3, K/11 (Item 11 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002776114 IP ACCESSION NO: 6517633  
Cationic Liposomes Containing *Mycobacterial* Lipids: a New Powerful  
Th1 Adjuvant System

Rosenkrands, Ida; Agger, Else Marie; Olsen, Anja W; Korsholm,  
Karen S; Andersen, Claire Swetman; Jensen, Klaus T; Andersen, Peter  
Statens Serum Institut, Department of Infectious Disease Immunology,  
Copenhagen, Denmark

Infection and Immunity, v 73, n 9, p 5817-5826, September 2005  
PUBLICATION DATE: 2005

PUBLISHER: American Society for Microbiology, 1752 N Street N.W  
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0019-9567  
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts  
; Medical & Pharmaceutical Biotechnology Abstracts

Cationic Liposomes Containing *Mycobacterial* Lipids: a New Powerful  
Th1 Adjuvant System

Rosenkrands, Ida; Agger, Else Marie; Olsen, Anja W; Korsholm,  
Karen S; Andersen, Claire Swetman; Jensen, Klaus T; Andersen...

ABSTRACT:

The immunostimulation provided by the *mycobacterial* cell wall has  
been exploited for many decades, e.g., in Freund's complete adjuvant...



...adjuvant activity, including Toll receptor signaling, has begun to be unraveled, confirming the potential of mycobacterial constituents to act as adjuvants. In this study, the immunostimulatory properties of a *Mycobacterium bovis* BCG lipid extract were tested for their adjuvant activity. Administration of the lipids in...

...c mice. Furthermore, the mycosomes induced immune responses to protein antigens from several sources including *Mycobacterium tuberculosis*, *Chlamydia muridarum* and tetanus toxoid. In a tuberculosis challenge model, the mycosomes combined with...

... DESCRIPTORS: Interferon; Lymphocytes T; Lipids; Helper cells; Liposomes; Immunoglobulin G; BCG; Lipid A; Tuberculosis; Tetanus; Toxoids; *Mycobacterium bovis*; *Mycobacterium tuberculosis*; *Chlamydia muridarum*

2/3, K/12 (Item 12 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2010 CSA. All rights reserved.

0002696596 IP ACCESSION NO: 6212791  
Protection of macaques against *Mycobacterium tuberculosis* infection by a subunit vaccine based on a fusion protein of antigen 85B and ESAT-6

Langermans, JAM; Doherty, TM; Vervenne, RAW; Van der Laan, T; Lyashchenko, K; Greenwald, R; Agger, EM; Aagaard, C; Weiler, H; Van Soolingen, D; Dalemans, W; Thomas, AW; Andersen, P  
Department of Parasitology, Biomedical Primate Research Centre, P.O. Box 3306, 2280 GH Rijswijk, The Netherlands, [mailto:thomas@prc.nl]

Vaccine, v 23, n 21, p 2740-2750, April 2005  
PUBLICATION DATE: 2005

PUBLISHER: Butterworth-Heinemann, 313 Washington St. Newton MA 02158 USA

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0264-410X  
FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B); Medical & Pharmaceutical Biotechnology Abstracts

Protection of macaques against *Mycobacterium tuberculosis* infection by a subunit vaccine based on a fusion protein of antigen 85B and...

Langermans, JAM; Doherty, TM; Vervenne, RAW; Van der Laan, T; Lyashchenko, K; Greenwald, R; Agger, EM; Aagaard, C; Weiler, H; Van Soolingen, D; Dalemans, W; Thomas, AW; Andersen, P

#### ABSTRACT:

... resulted in a reduction in bacterial number and/or lung pathology in animals challenged with *Mycobacterium tuberculosis*. Vaccination prevented an increase in C-reactive protein serum levels, general activation of CD4...

... CD8 subsets and boosted development of humoral and cellular immune responses to a spectrum of mycobacterial antigens on exposure to *M. tuberculosis* infection. We show, in two independent experiments, that vaccination...

... DESCRIPTORS: Serum levels; C-reactive protein; CD8 antigen; Animal models; Antigen 85B; Adjuvants; CD4 antigen; Lung; Mycobacterium tuberculosis; Macaca

2/3, K/13 (Item 13 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002618815 IP ACCESSION NO: 6011585  
The Influence of Remaining Live BCG Organisms in Vaccinated Mice on the Maintenance of Immunity to Tuberculosis

Olsen, AW; Brandt, L; Agger, EM; Van Pinxteren, LA; Andersen, P  
Department of Infectious Disease Immunology Statens Serum Institut  
Copenhagen, Denmark. Present addresses: , [mailto:pa@si.dk]

Scandinavian Journal of Immunology, v 60, n 3, p 273-277, September 2004  
PUBLICATION DATE: 2004

PUBLISHER: Blackwell Science Ltd

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0300-9475  
ELECTRONIC ISSN: 1365-3083  
FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)  
Olsen, AW; Brandt, L; Agger, EM; Van Pinxteren, LA; Andersen, P

ABSTRACT:

The only available vaccine against Mycobacterium tuberculosis, the bacille Calmette-Guerin (BCG) vaccine, is at present being used as a reference...

...vaccination in C57BL/6J mice. If BCG is cleared by antibiotic treatment, the number of mycobacteria-reactive effector cells in the spleen gradually reverts to low levels and consequently immunity in...

DESCRIPTORS: BCG; Tuberculosis; Lung diseases; Vaccination; Spleen; Effector cells; Vaccines; Mycobacterium tuberculosis

2/3, K/14 (Item 14 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2010 CSA. All rights reserved.

0002528333 IP ACCESSION NO: 5803061  
Human T-cell responses to the RD1-encoded protein TB27.4 (Rv3878) from Mycobacterium tuberculosis

Agger, EM; Brock, I; Okkels, LM; Arend, SM; Aagaard, CS; Vel dingh, KN; Andersen, P  
Department of Infectious Disease Immunology, Statens Serum Institut,  
Artillerivej 5, DK-2300 Copenhagen S, Denmark, [mailto:eag@si.dk]

Immunology, v 110, n 4, p 507-512, December 2003  
PUBLICATION DATE: 2003

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0019-2805  
FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Human T-cell responses to the RD1-encoded protein TB27.4 (Rv3878) from *Mycobacterium tuberculosis*

Agger, EM; Brock, I; Okkels, LM; Arend, SM; Aagaard, CS;  
Veldingh, KN; Andersen, P

ABSTRACT:

... years, there has been considerable focus on the discovery and characterization of proteins derived from *Mycobacterium tuberculosis* leading to the identification of a number of candidate antigens for use in vaccine...

DESCRIPTORS: Lymphocytes T; Tuberculosis; BCG; Immunoblotting; Vaccines  
; TB27.4 protein; *Mycobacterium tuberculosis*

2/3, K/15 (Item 15 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002442739 IP ACCESSION NO: 5550912  
A novel TB vaccine; towards a strategy based on our understanding of BCG failure

Agger, EM; Andersen, P  
Department of Infectious Disease Immunology, Statens Serum Institut,  
Artillerivej 5, 2300 Copenhagen S, Denmark, [mailto:pa@ssi.dk]

Vaccine, v 21, n 1-2, p 7-14, November 22, 2002  
PUBLICATION DATE: 2002

DOCUMENT TYPE: Journal Article; Review  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0264-410X  
FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Agger, EM; Andersen, P

ABSTRACT:

... our understanding of the immunological deficits of BCG combined with novel knowledge on genetics of mycobacteria has paved the way for promising new vaccine strategies. These include recombinant modified BCG vaccines, attenuated strains of *Mycobacterium tuberculosis*, and various non-live candidates such as DNA and subunit vaccines. Decisive for transforming...

...failure of BCG in the third world and the interaction between this vaccine and environmental mycobacteria.

DESCRIPTORS: BCG; Vaccines; Tuberculosis; Reviews; DNA vaccines;  
Vaccination; Recombinants; *Mycobacterium tuberculosis*

2/3, K/16 (Item 16 from file: 24)

DI ALOG(R) File 24: CSA Life Sciences Abstracts  
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0002433512 IP ACCESSI ON NO: 5528879  
Specific Acquired Resistance in Mice Immunized with Killed  
Mycobacteria

Agger, EM; Wel d ingh, K; O sen, AW; Rosenkrands, I; Andersen, P  
Department of TB Immunology, Statens Serum Institut, Copenhagen, Denmark

Scandinavian Journal of Immunology, v 56, n 5, p 443-447, November 2002  
PUBLI CATI ON DATE: 2002

PUBLI SHER: Blackwell Science Ltd

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0300-9475  
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

Specific Acquired Resistance in Mice Immunized with Killed  
Mycobacteria

Agger, EM; Wel d ingh, K; O sen, AW; Rosenkrands, I; Andersen, P

ABSTRACT:

Past attempts to raise resistance against *Mycobacterium* tuberculosis using various preparations of killed mycobacteria have questioned the specificity of the generated immune response. In the present study, we have focused on the protective efficacy of experimental vaccines based on killed mycobacteria. We demonstrate that killed mycobacteria can confer high levels of protection, which can be adoptively transferred to recipient T-cell...

...Moreover, protective antigens can be found in the cell wall, membrane and cytosol of the mycobacterial cell, and hence emphasize the importance of searching for protective antigens in various compartments of the mycobacterial cell.

DESCRI PTORS: Adoptive transfer; Immunization; Lymphocytes T; Antigens; Vaccines; *Mycobacterium tuberculosis*

2/3, K/17 (Item 17 from file: 24)  
DI ALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2010 CSA. All rts. reserv.

0002409606 IP ACCESSI ON NO: 5741043  
PPE Protein (Rv3873) from DNA Segment RD1 of *Mycobacterium* tuberculosis: Strong Recognition of Both Specific T-Cell Epitopes and Epitopes Conserved within the PPE Family

O kkel s, LM; Brock, I; Foll mann, F; Agger, EM; Arend, SM;  
Ottenhoff, THM; Otung, F; Rosenkrands, I; Andersen, P  
Department of Infectious Disease Immunology, Statens Serum Institut,  
Artillerivej 5, DK-2300 Copenhagen, Denmark, [mailto:Imo@ssi.dk]

Infection and Immunity, v 71, n 11, p 6116-6123, November 2003  
PUBLI CATI ON DATE: 2003

10563731APOLAR.txt

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.  
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0019-9567

FILE SEGMENT: Nucleic Acids Abstracts; Bacteriology Abstracts (Microbiology B); Immunology Abstracts

PPE Protein (Rv3873) from DNA Segment RD1 of *Mycobacterium tuberculosis*: Strong Recognition of Both Specific T-Cell Epitopes and Epitopes Conserved within the PPE...

Oskels, LM; Brock, I; Follmann, F; Agger, EM; Arend, SM; Ottenhoff, THM; Otung, F; Rosenkrands, I; Andersen, P

ABSTRACT:

Proteins encoded by DNA segment RD1 of *Mycobacterium tuberculosis* have recently been demonstrated to play important roles in bacterial virulence, vaccine development, and...

...in *M. tuberculosis* H37Rv and that the native protein, Rv3873, is predominantly associated with the mycobacterial cell or wall. When tested as a His-tagged recombinant protein, Rv3873 stimulated high levels ...

...RD1-encoded antigens, Rv3873 was also found to be recognized by a significant proportion of *Mycobacterium bovis* BCG-vaccinated donors. Epitope mapping performed with overlapping peptides revealed a broad pattern of...

... DESCRIPTORS: Cell walls; Vaccines; Epitopes; PPE protein; CFP10 protein; hlp gene; esx gene; ESAT-6 antigen; *Mycobacterium tuberculosis*

2/3, K/18 (Item 18 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2010 CSA. All rights reserved.

0002261248 IP ACCESSION NO: 5241631  
Antigen Discovery and Tuberculosis Vaccine Development in the Post-genomic Era

Skjott, RLV; Agger, EM; Andersen, P  
Department of TB Immunology, Statens Serum Institut, Copenhagen, Denmark

Scandinavian Journal of Infectious Diseases, v 33, n 9, p 643-647, 2001  
PUBLICATION DATE: 2001

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0036-5548

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Skjott, RLV; Agger, EM; Andersen, P

ABSTRACT:

... 6 and antigen 85A/B. Today, the availability of the total nucleotide sequence of the *Mycobacterium tuberculosis* genome enables a post-genomic antigen discovery approach based on denotation and screening of...

DESCRIPTORS: Vaccines; Tuberculosis; Antigens; *esat-6* gene;  
*Mycobacterium tuberculosis*

2/3, K/19 (Item 19 from file: 24)  
DI ALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2010 CSA. All rights reserved.

0002196797 IP ACCESSION NO: 4874192  
Tuberculosis subunit vaccine development: On the role of interferon- gamma

Agger, EM; Andersen, P  
Department of TB Immunology, Statens Serum Institute, Artillerivej 5, 2300  
Copenhagen S, Denmark, [mailto:pa@ssi.dk]  
EDITOR: Kurstak E. (ed.)

Vaccine, v 19, n 17-19, p 2298-2302, March 21, 2001  
PUBLICATION DATE: 2001

PUBLISHER: Butterworth-Heinemann, 313 Washington St. Newton MA 02158 USA

CONFERENCE:  
Millennium Second World Congress on Vaccines and Immunisation, Leige  
(Belgium), 29 Aug - 3 Sep, 2000

DOCUMENT TYPE: Journal Article; Conference  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0264-410X  
FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Agger, EM; Andersen, P

DESCRIPTORS: Vaccines; Tuberculosis; Reviews; Immune response  
(cell-mediated); gamma-Interferon; *Mycobacterium tuberculosis*;  
*Mycobacterium tuberculosis*

2/3, K/20 (Item 20 from file: 24)  
DI ALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2010 CSA. All rights reserved.

0002176623 IP ACCESSION NO: 4824610  
Control of latent *Mycobacterium tuberculosis* infection is dependent  
on CD8 T cells

van Pinxteren, LAH; Cassidy, JP; Smedegaard, BHC; Agger, EM;  
Andersen, P  
Statens Serum Institute, Department of TB Immunology, Artillerivej 5,  
DK-2300 Copenhagen S, Denmark, [mailto:pa@ssi.dk]

European Journal of Immunology, v 30, n 12, p 3689-3698, December 2000  
PUBLICATION DATE: 2000

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0014-2980

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

Control of latent *Mycobacterium tuberculosis* infection is dependent on CD8 T cells

van Pinxteren, LAH; Cassidy, JP; Smedegaard, BHC; Agger, EM; Andersen, P

ABSTRACT:

It is estimated that one-third of the world's population is infected with *Mycobacterium tuberculosis*, but that only 10% of infected people break down with the disease. In the...

...model of latency and reactivation. Mice aerosol-infected with *M. tuberculosis* were treated with anti-mycobacterial drugs resulting in very low, stable bacterial numbers (<500 CFU in the spleen and lung...

...detected by intracellular staining for IFN- $\gamma$  as well as after antigen-specific stimulation with mycobacterial antigens. The CD8 subset was not involved in the acute stage of infection, but this...

DESCRIPTORS: Lymphocytes T; Latency; gamma-Interferon; Lung; CD4 antigen; animal models; CD8 antigen; *Mycobacterium tuberculosis*; *Mycobacterium tuberculosis*

2/3, K/21 (Item 21 from file: 24)  
DI ALOG(R) File 24: CSA Life Sciences Abstracts  
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0002075068 IP ACCESSION NO: 4683601  
Diagnosis of Tuberculosis Based on the Two Specific Antigens ESAT-6 and CFP10

Van Pinxteren, LAH; Ravn, P; Agger, EM; Pollock, J; Andersen, P\*  
Statens Serum Institut, Department of TB-Immunology, Artillerivej 5, 2300 Copenhagen S, Denmark, [mailto:pa@ssi.dk]

Clinical and Diagnostic Laboratory Immunology, v 7, n 2, p 155-160, March 2000

PUBLICATION DATE: 2000

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 1071-412X

FILE SEGMENT: Immunology Abstracts

Van Pinxteren, LAH; Ravn, P; Agger, EM; Pollock, J; Andersen, P\*

ABSTRACT:

Tests based on tuberculin purified protein derivative (PPD) cannot distinguish between tuberculosis infection, *Mycobacterium bovis* BCG vaccination, or exposure to environmental mycobacteria. The present study investigated the diagnostic potential of two *Mycobacterium tuberculosis*-specific antigens (ESAT-6 and CFP10) in experimental animals as well as during natural...

2/3, K/22 (Item 1 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

(c) 2010 American Chemical Society. All rts. reserv.

152546202 CA: 152(24)546202v JOURNAL

Cutting Edge: Mncle Is Essential for Recognition and Adjuvanticity of  
the Mycobacterial Cord Factor and its Synthetic Analog  
Trehalose-Dibehenate

AUTHOR(S): Schoenen, Hanne; Bodendorfer, Barbara; Hitchens, Kelly;  
Manzanero, Silvia; Werninghaus, Kerstin; Nimmerjahn, Falk; Agger, Else  
Marie; Stenger, Steffen; Andersen, Peter; Ruland, Juergen; Brown, Gordon D.  
; Wells, Christine; Lang, Roland

LOCATION: Institute of Clinical Microbiology, Medical Department,  
Friedrich-Alexander-Universitaet Erlangen-Nuerenberg and University Clinics  
of Erlangen, Erlangen, Germany,

JOURNAL: J. Immunol. (Journal of Immunology) DATE: 2010 VOLUME: 184

NUMBER: 6 PAGES: 2756-2760 CODEN: JOIM33 ISSN: 0022-1767 LANGUAGE:  
English PUBLISHER: American Association of Immunologists

2/3, K/23 (Item 2 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

(c) 2010 American Chemical Society. All rts. reserv.

151311124 CA: 151(14)311124m JOURNAL

Novel Generation Mycobacterial Adjuvant Based on Liposome-Encapsulated  
Monomycoloyl Glycerol from Mycobacterium bovis Bacillus Calmette-Guerin

AUTHOR(S): Andersen, Claire A. Swetman; Rosenkrands, Ida; Qsen, Anja W;  
Nordly, Pernille; Christensen, Dennis; Lang, Roland; Kirschning, Carsten;  
Gomes, Jessica M; Bhowruth, Veemal; Mnnikin, David E.; Besra, Gurdyal S.;  
Follmann, Frank; Andersen, Peter; Agger, Else Marie

LOCATION: Department of Infectious Disease Immunology, Adjuvant Research,  
Statens Serum Institut, Copenhagen, Den.

JOURNAL: J. Immunol. (Journal of Immunology) DATE: 2009 VOLUME: 183

NUMBER: 4 PAGES: 2294-2302 CODEN: JOIM33 ISSN: 0022-1767 LANGUAGE:  
English PUBLISHER: American Association of Immunologists

2/3, K/24 (Item 3 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

(c) 2010 American Chemical Society. All rts. reserv.

151195981 CA: 151(9)195981n JOURNAL

Adjuvanticity of a synthetic cord factor analogue for subunit  
Mycobacterium tuberculosis vaccination requires

FcR gamma. - Syk-Card9-dependent innate immune activation

AUTHOR(S): Werninghaus, Kerstin; Babiak, Anna; Gross, Olaf; Hoelscher,  
Christoph; Dietrich, Harald; Agger, Else Marie; Mages, Joerg; Mocsai,  
Attila; Schoenen, Hanne; Finger, Katrin; Nimmerjahn, Falk; Brown, Gordon D.  
; Kirschning, Carsten; Heit, Antje; Andersen, Peter; Wagner, Hermann;  
Ruland, Juergen; Lang, Roland

LOCATION: Institute of Medical Microbiology, Immunology and Hygiene,  
Technical University Munich, Munich, Germany, D-81675

JOURNAL: J. Exp. Med. (Journal of Experimental Medicine) DATE: 2009

VOLUME: 206 NUMBER: 1 PAGES: 89-97 CODEN: JEMEA V ISSN: 0022-1007  
LANGUAGE: English PUBLISHER: Rockefeller University Press

2/3, K/25 (Item 4 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

(c) 2010 American Chemical Society. All rts. reserv.



151075727 CA: 151(4)75727n JOURNAL  
 Tuberculosis Subunit Vaccination Provides Long-Term Protective Immunity  
 Characterized by Multifunctional CD4 Memory T Cells  
 AUTHOR(S): Lindenstrom, Thomas; Agger, Else Marie; Korsholm, Karen S.;  
 Darrah, Patricia A.; Aagaard, Claus; Seder, Robert A.; Rosenkrands, Ida;  
 Andersen, Peter  
 LOCATION: Adjuvant Research, Department of Infectious Disease Immunology,  
 Statens Serum Institut, Copenhagen, DK-2300, Den.  
 JOURNAL: J. Immunol. (Journal of Immunology) DATE: 2009 VOLUME: 182  
 NUMBER: 12 PAGES: 8047-8055 CODEN: JOIM33 ISSN: 0022-1767 LANGUAGE:  
 English PUBLISHER: American Association of Immunologists

2/3, K/26 (Item 5 from file: 399)  
 DIALOG(R) File 399: CA SEARCH(R)  
 (c) 2010 American Chemical Society. All rights reserved.

150561496 CA: 150(26)561496w JOURNAL  
 Adjuvant properties of a simplified C32 monomycetyl glycerol analogue  
 AUTHOR(S): Bhowruth, Veemal; Mnnikin, David E.; Agger, Else Marie;  
 Andersen, Peter; Bramwell, Vincent W.; Perrie, Yvonne; Besra, Gurdyal S.  
 LOCATION: School of Biosciences, University of Birmingham Edgbaston,  
 Birmingham, UK, B15 2TT  
 JOURNAL: Bioorg. Med. Chem. Lett. (Bioorganic & Medicinal Chemistry  
 Letters) DATE: 2009 VOLUME: 19 NUMBER: 7 PAGES: 2029-2032 CODEN:  
 BMCLE8 ISSN: 0960-894X PUBLISHER IDENTIFIER: 0960-894X(09)00171-1  
 LANGUAGE: English PUBLISHER: Elsevier B.V.

2/3, K/27 (Item 6 from file: 399)  
 DIALOG(R) File 399: CA SEARCH(R)  
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150119700 CA: 150(7)119700j PATENT  
 Monomycetyl glycerol and analogs for use as adjuvant in vaccine against  
 cancer, infection and Alzheimer's disease  
 INVENTOR(AUTHOR): Agger, Else Marie; Andersen, Claire; Andersen, Peter;  
 Bersra, Gurdyal; Mnnikin, David  
 LOCATION: Den.  
 ASSIGNEE: Statens Serum Institut  
 PATENT: PCT International ; WO 200903474 A1 DATE: 20090108  
 APPLICATION: WO 2008DK239 (20080626) \*DK 2007965 (20070629)  
 PAGES: 60pp. CODEN: PIXXD2 LANGUAGE: English  
 PATENT CLASSIFICATIONS:  
 IPCR/8 + Level Value Position Status Version Action Source Office:  
 A61K-0039/39 A I F B 20060101 H EP  
 A61P-0037/04 A I L B 20060101 H EP  
 DESIGNATED COUNTRIES: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BG; BH; BR;  
 BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES;  
 FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN;  
 KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LY; MA; MD; ME; MG; MK; MN; MW; MX;  
 MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG;  
 SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT DESIGNATED REGIONAL: AT; BE; BG; CH  
 ; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LT; LU; LV;  
 MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN;  
 GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ;  
 TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

2/3, K/28 (Item 7 from file: 399)  
 DIALOG(R) File 399: CA SEARCH(R)  
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150096018 CA: 150(6)96018b JOURNAL  
 A Simple Mycobacterial Monomycolated Glycerol Lipid Has Potent  
 Immunostimulatory Activity  
 AUTHOR(S): Andersen, Claire S.; Agger, Else Marie; Rosenkrands, Ida;  
 Gomes, Jessica M.; Bhowruth, Veemal; Gibson, Kevin J. C.; Petersen, Rune V.  
 ; Minnikin, David E.; Besra, Gurdyal S.; Andersen, Peter  
 LOCATION: Department of Infectious Disease Immunology, Adjuvant Research,  
 Statens Serum Institut, Copenhagen, 2300, Den.  
 JOURNAL: J. Immunol. (Journal of Immunology) DATE: 2008 VOLUME: 182  
 NUMBER: 1 PAGES: 424-432 CODEN: JOIM3 ISSN: 0022-1767 LANGUAGE:  
 English MEETING DATE: 20090000 PUBLISHER: American Association of  
 Immunologists

2/3, K/29 (Item 8 from file: 399)  
 DIALOG(R) File 399: CA SEARCH(R)  
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149574704 CA: 149(26)574704s JOURNAL  
 Adult-like anti-mycobacterial T cell and in vivo dendritic cell responses  
 following neonatal immunization with Ag85B-ESAT-6 in the ICG31 adjuvant  
 AUTHOR(S): Kamath, Arun T.; Rochat, Anne-Francoise; Valenti, Mario P.;  
 Agger, Else Marie; Lingnau, Karen; Andersen, Peter; Lambert, Paul-Henri;  
 Siegrist, Claire-Anne  
 LOCATION: World Health Organization Collaborating Center for Vaccinology  
 and Neonatal Immunology, Departments of Pathology-Immunology and Pediatrics  
 , University of Geneva, Geneva, Switz.  
 JOURNAL: PLoS One (PLoS One) DATE: 2008 VOLUME: 3 NUMBER: 11 PAGES:  
 No pp. given CODEN: POLNCL UNIFORM RESOURCE LOCATOR (URL):  
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0003683>  
 MEDIA TYPE: online computer file ISSN: 1932-6203 LANGUAGE: English  
 PUBLISHER: Public Library of Science

2/3, K/30 (Item 9 from file: 399)  
 DIALOG(R) File 399: CA SEARCH(R)  
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149468933 CA: 149(21)468933f JOURNAL  
 Cationic liposomes formulated with synthetic mycobacterial cord factor  
 (CAF01): a versatile adjuvant for vaccines with different immunological  
 requirements  
 AUTHOR(S): Agger, Else Marie; Rosenkrands, Ida; Hansen, Jon; Brahim,  
 Karima; Vandahl, Brian S.; Aagaard, Claus; Varninghaus, Kerstin;  
 Kirschning, Carsten; Lang, Roland; Christensen, Dennis; Theisen, Michael;  
 Follmann, Frank; Andersen, Peter  
 LOCATION: Adjuvant Research, Department of Infectious Disease Immunology,  
 Statens Serum Institut, Copenhagen, Den.  
 JOURNAL: PLoS One (PLoS One) DATE: 2008 VOLUME: 3 NUMBER: 9 PAGES: No  
 pp. given CODEN: POLNCL UNIFORM RESOURCE LOCATOR (URL):  
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0003116>  
 MEDIA TYPE: online computer file ISSN: 1932-6203 LANGUAGE: English  
 PUBLISHER: Public Library of Science

2/3, K/31 (Item 10 from file: 399)  
 DIALOG(R) File 399: CA SEARCH(R)  
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149007279 CA: 149(1)7279b JOURNAL  
 Protective anti-mycobacterial T cell responses through exquisite in vivo  
 activation of vaccine-targeted dendritic cells

10563731APOLAR.txt

AUTHOR(S): Kamath, Arun T.; Valenti, Mario P.; Rochat, Anne-Francoise; Agger, Else M.; Lingnau, Karen; von Gabain, Alexander; Andersen, Peter; Lambert, Paul-Henri; Siegrist, Claire-Anne  
LOCATION: World Health Organization Collaborating Center for Vaccinology and Neonatal Immunology, Departments of Pathology-Immunology and Pediatrics, University of Geneva, Geneva, Switz.  
JOURNAL: Eur. J. Immunol. (European Journal of Immunology) DATE: 2008  
VOLUME: 38 NUMBER: 5 PAGES: 1247-1256 CODEN: EJIMAF ISSN: 0014-2980  
LANGUAGE: English PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA

2/3, K/32 (Item 11 from file: 399)  
DI ALOG(R) File 399: CA SEARCH(R)  
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144049969 CA: 144(4)49969d JOURNAL  
Characterization of cationic liposomes based on dimethyl dioctadecyl ammonium and synthetic cord factor from M tuberculosis (trehalose 6,6'-dibehenate)-A novel adjuvant inducing both strong CM and antibody responses  
AUTHOR(S): Davidsen, Jesper; Rosenkrands, Ida; Christensen, Dennis; Vangala, Anil; Kirby, Daniel; Perrie, Yvonne; Agger, Else Marie; Andersen, Peter  
LOCATION: Vaccine Development, Adjuvant Research, Statens Serum Institut, Copenhagen, DK-2300, Den.  
JOURNAL: Biochim Biophys. Acta, Biomembr. (Biochimica et Biophysica Acta, Biomembranes) DATE: 2005 VOLUME: 1718 NUMBER: 1-2 PAGES: 22-31  
CODEN: BBBMBS ISSN: 0005-2736 PUBLISHER ITEM IDENTIFIER: 0005-2736(05)00338-X LANGUAGE: English PUBLISHER: Elsevier B. V.

2/3, K/33 (Item 12 from file: 399)  
DI ALOG(R) File 399: CA SEARCH(R)  
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143120529 CA: 143(7)120529x PATENT  
Freeze-dried vaccine adjuvant comprising quaternary ammonium compounds  
INVENTOR(AUTHOR): Agger, Else Marie; Andersen, Peter  
LOCATION: Den.  
ASSIGNEE: Statens Serum Institut  
PATENT: PCT International ; WO 200560330 A2 DATE: 20050707  
APPLICATION: WO 2004DK893 (20041221) \*DK 20031920 (20031222)  
PAGES: 36 pp. CODEN: PIXXD2 LANGUAGE: English  
PATENT CLASSIFICATION:  
CLASS: A61K-000/A  
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

2/3, K/34 (Item 13 from file: 399)  
DI ALOG(R) File 399: CA SEARCH(R)  
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142133056 CA: 142(8)133056v PATENT  
Vaccines comprising cationic surfactant and lipid extract of

10563731APOLAR.txt

Mycobacterium BCG as adjuvant for treating cancer, allergy and autoimmune disease

INVENTOR(AUTHOR): Agger, Else Marie; Andersen, Peter; Olsen, Anja; Rosenkrands, Ida

LOCATION: Den.

ASSIGNEE: Statens Serum Institut

PATENT: PCT International ; WO 200504911 A2 DATE: 20050120

APPLICATION: WO 2004DK488 (20040707) \*DK 20031046 (20030709) \*DK 20031403 (20030927)

PAGES: 52 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-039/39A; A61K-039/04B; A61P-031/06B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; GR; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

2/3, K/35 (Item 14 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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135343273 CA: 135(24)343273v PATENT

Cloning and immunogenicity of Mycobacterium tuberculosis proteins

INVENTOR(AUTHOR): Agger, Else Marie; Andersen, Peter; Ockels, Li Mei Meng; Veldingh, Karin

LOCATION: Den.

ASSIGNEE: Statens Serum Institut

PATENT: PCT International ; WO 200179274 A2 DATE: 20011025

APPLICATION: WO 2001DK276 (20010419) \*DK 2000666 (20000419) \*DK 2001283 (20010221)

PAGES: 111 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07K-014/195A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; CZ; DE; DE; DK; DK; DM; DZ; EE; EE; ES; FI; FI; GB; GD; GE; GH; GM; GR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

2/3, K/36 (Item 1 from file: 149)

DIALOG(R) File 149: TGG Health&Wellness DB(SM)

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03671252 SUPPLIER NUMBER: 178975966 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Adjuvant modulation of the cytokine balance in Mycobacterium tuberculosis subunit vaccines; immunity, pathology and protection. (Report)

Agger, Else Marie; Cassidy, Joseph P.; Brady, Joseph; Korsholm, Karen S.; Vingsbo-Lundberg, Carina; Andersen, Peter Immunology, 124, 2, 175(11)

June,  
2008

DOCUMENT TYPE: Report PUBLICATION FORMAT: Magazine/ Journal ISSN:  
0019-2805 LANGUAGE: English RECORD TYPE: Abstract TARGET AUDIENCE:  
Academic

Adjuvant modulation of the cytokine balance in *Mycobacterium*  
tuberculosis subunit vaccines; immunity, pathology and  
protection. (Report)  
Agger, Else Marie...

... AUTHOR ABSTRACT: Karen S. Korsholm (1), Carina Vingsbo-Lundberg (1),  
Peter Andersen (1)

Keywords:  
Lung immunology/ disease; *Mycobacterium tuberculosis*; T cells;  
vaccines

Abstract:

Summary

It is known that protection against tuberculosis is mediated...

...and studied cellular responses, bacterial replication and pathology in  
the lungs of mice infected with *Mycobacterium tuberculosis*. All  
vaccines induced cell-mediated and humoral responses but with markedly  
different interferon-(gamma)...

2/3, K/37 (Item 2 from file: 149)  
DIALOG(R) File 149: TGG Health&Wellness DB(SM)  
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03228096 SUPPLIER NUMBER: 162471071 (USE FORMAT 7 OR 9 FOR FULL TEXT  
)

Comparison of vesicle based antigen delivery systems for delivery of  
hepatitis B surface antigen. (Author abstract)  
Vangala, Anil; Bramwell, Vincent W; McNeil, Sarah; Christensen, Dennis;  
Agger, Else Marie; Perrie, Yvonne  
Journal of Controlled Release, 119, 1, 102(9)  
May 14,  
2007

DOCUMENT TYPE: Author abstract PUBLICATION FORMAT: Magazine/ Journal  
ISSN: 0168-3659 LANGUAGE: English RECORD TYPE: Abstract  
TARGET AUDIENCE: Academic

... Agger, Else Marie

... AUTHOR ABSTRACT: cholesterol (DC-Chol) or dimethyl dioctadecyl ammonium  
bromide (DDA) with hepatitis B surface antigen (HBsAg). Synthetic  
mycobacterial cord factor, trehalose 6,6'-dibehenate (TDB) has been  
used as an adjuvant and the...  
? E AU=ANDERSEN, PETER

Ref	Items	Index-term
E1	388	* AU=ANDERSEN, PETER
E2	3	AU=ANDERSEN, PETER A
E3	3	AU=ANDERSEN, PETER A.
E4	1	AU=ANDERSEN, PETER ALEX
E5	3	AU=ANDERSEN, PETER ANDERS
E6	4	AU=ANDERSEN, PETER ANDREAS
E7	1	AU=ANDERSEN, PETER ANDREW
E8	4	AU=ANDERSEN, PETER B
E9	8	AU=ANDERSEN, PETER B.
E10	3	AU=ANDERSEN, PETER B. (RI SOE NATI ONAL LAB., DTU (
E11	5	AU=ANDERSEN, PETER BJOERN

E12

2 AU=ANDERSEN, PETER BJORN

Enter P or PAGE for more

? S E1-E12 AND (MYCOBA? OR NONPOLAR OR APOLAR)

388 AU=ANDERSEN, PETER

3 AU=ANDERSEN, PETER A

3 AU=ANDERSEN, PETER A.

1 AU=ANDERSEN, PETER ALEX

3 AU=ANDERSEN, PETER ANDERS

4 AU=ANDERSEN, PETER ANDREAS

1 AU=ANDERSEN, PETER ANDREW

4 AU=ANDERSEN, PETER B

8 AU=ANDERSEN, PETER B.

3 AU=ANDERSEN, PETER B. (RI SOE NATIONAL LAB., DTU)

5 AU=ANDERSEN, PETER BJOERN

2 AU=ANDERSEN, PETER BJORN

665209 MYCOBA?

89988 NONPOLAR

26258 APOLAR

S3 236 E1-E12 AND (MYCOBA? OR NONPOLAR OR APOLAR)

? S S3 AND (APOLAR OR NONPOLAR)

236 S3

26258 APOLAR

89988 NONPOLAR

S4 1 S3 AND (APOLAR OR NONPOLAR)

? T S4/3, K/1

&gt;&gt;&gt;KW C option is not available in file(s): 399

4/3, K/1 (Item 1 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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142133056 CA: 142(8)133056v PATENT

Vaccines comprising cationic surfactant and lipid extract of  
Mycobacterium BCG as adjuvant for treating cancer, allergy and autoimmune  
disease

INVENTOR(AUTHOR): Agger, Else Marie; Andersen, Peter; Olsen, Anja;

Rosenkrands, Ida

LOCATION: Den.

ASSIGNEE: Statens Serum Institut

PATENT: PCT International ; WO 200504911 A2 DATE: 20050120

APPLICATI ON: WO 2004DK488 (20040707) \*DK 20031046 (20030709) \*DK 20031403  
(20030927)

PAGES: 52 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-039/39A; A61K-039/04B; A61P-031/06B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ;  
; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;  
BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR;  
NE; SN; TD; TG

? E AU=OLSEN, ANJA?

Ref Items Index-term

E1 12 AU=OLSEN, ANJA WEI NREI CH

E2 1 AU=OLSEN, ANJA WEI NRI CH

E3 0 \*AU=OLSEN, ANJA?

E4 3 AU=OLSEN, ANN J.

E5 5 AU=OLSEN, ANN KARI N  
 E6 10 AU=OLSEN, ANN- KARI N  
 E7 9 AU=OLSEN, ANNA  
 E8 4 AU=OLSEN, ANNA CATHARI NA  
 E9 2 AU=OLSEN, ANNA H  
 E10 2 AU=OLSEN, ANNA H.  
 E11 2 AU=OLSEN, ANNA I VANOVA  
 E12 1 AU=OLSEN, ANNA L

Enter P or PAGE for more

? S E1- E2

12 AU=OLSEN, ANJA WEI NREI CH  
 1 AU=OLSEN, ANJA WEI NRI CH

S5 13 E1- E2

? S S5 AND (MYCOB?)

13 S5  
 671777 MYCOB?

S6 7 S5 AND (MYCOB?)

? T S6/3, K/1-7

>>>KW C option is not available in file(s): 399

6/3, K/1 (Item 1 from file: 24)  
 DIALOG(R) File 24: CSA Life Sciences Abstracts  
 (c) 2010 CSA. All rts. reserv.

0002832769 IP ACCESSI ON NO: 6869039  
 Protective immunity to tuberculosis with Ag85B-ESAT-6 in a synthetic  
 cationic adjuvant system IC31

Agger, Else Marie; Rosenkrands, Ida; Olsen, Anja Wei nrei ch; Hatch,  
 Graham Williams, Ann; Kritsch, Constantia; Lingnau, Karen; Von Gabai n,  
 Alexander; Andersen, Claire Swetman; Korshol m Karen Smith; Andersen,  
 Peter  
 Department of Infectious Disease Immunology, Statens Serum Institut,  
 Adjuvant Research, 5 Artillerivej, DK-2300 Copenhagen S, Denmark,  
 [mailto:eag@si.dk]

Vaccine, v 24, n 26, p 5452-5460, June 2006  
 PUBLI CATI ON DATE: 2006

PUBLI SHER: Butterworth-Heinemann, 313 Washi ngton St. Newt on MA 02158 USA

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0264-410X

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Medical &  
 Pharmaceutical Biotechnology Abstracts; Immunology Abstracts

Agger, Else Marie; Rosenkrands, Ida; Olsen, Anja Wei nrei ch; Hatch,  
 Graham Williams, Ann; Kritsch, Constantia; Lingnau, Karen; Von Gabai n,  
 Alexander; Andersen, Claire...

#### ABSTRACT:

... for the ability to augment the immune response and protective efficacy  
 of the well-known mycobacterial vaccine antigen, Ag85B-ESAT-6. The  
 IC31 adjuvant, consisting of a vehicle based on the...

... DESCRIPTORS: T; gamma -Interferon; Oligonucleotides; TLR9 protein;  
 CD4 antigen; Toll-like receptors; Cationic peptides; Helper cells;  
 Mycobacterium tuberculosis

6/3, K/2 (Item 1 from file: 76)  
DIALOG(R) File 76: Environmental Sciences  
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0001853586 IP ACCESSION NO: 6869039  
Protective immunity to tuberculosis with Ag85B-ESAT-6 in a synthetic  
cationic adjuvant system I C31

Agger, Else Marie; Rosenkrands, Ida; Olsen, Anja Weinreich; Hatch,  
Graham Williams, Ann; Kritsch, Constantia; Lingnau, Karen; Von Gabain,  
Alexander; Andersen, Claire Swetman; Korsholm Karen Smith; Andersen,  
Peter  
Department of Infectious Disease Immunology, Statens Serum Institut,  
Adjuvant Research, 5 Artillerivej, DK-2300 Copenhagen S, Denmark,  
[mailto:eag@ssi.dk]

Vaccine, v 24, n 26, p 5452-5460, June 2006  
PUBLICATION DATE: 2006

PUBLISHER: Butterworth-Heinemann, 313 Washington St. Newton MA 02158 USA

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0264-410X  
FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Agger, Else Marie; Rosenkrands, Ida; Olsen, Anja Weinreich; Hatch,  
Graham Williams, Ann; Kritsch, Constantia; Lingnau, Karen; Von Gabain,  
Alexander; Andersen, Claire...

ABSTRACT:

... for the ability to augment the immune response and protective efficacy  
of the well-known mycobacterial vaccine antigen, Ag85B-ESAT-6. The  
I C31 adjuvant, consisting of a vehicle based on the...

... DESCRIPTORS: T; gamma-Interferon; Oligonucleotides; TLR9 protein;  
CD4 antigen; Toll-like receptors; Cationic peptides; Helper cells;  
Mycobacterium tuberculosis

6/3, K/3 (Item 1 from file: 399)  
DIALOG(R) File 399: CA SEARCH(R)  
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145269257 CA: 145(14)269257f JOURNAL  
Protective immunity to tuberculosis with Ag85B-ESAT-6 in a synthetic  
cationic adjuvant system I C31  
AUTHOR(S): Agger, Else Marie; Rosenkrands, Ida; Olsen, Anja Weinreich;  
Hatch, Graham Williams, Ann; Kritsch, Constantia; Lingnau, Karen; von  
Gabain, Alexander; Andersen, Claire Swetman; Korsholm Karen Smith;  
Andersen, Peter  
LOCATION: Department of Infectious Disease Immunology, Adjuvant Research,  
Statens Serum Institut, Copenhagen, DK-2300, Den.  
JOURNAL: Vaccine (Vaccine) DATE: 2006 VOLUME: 24 NUMBER: 26 PAGES:  
5452-5460 CODEN: VACCDE ISSN: 0264-410X PUBLISHER ITEM IDENTIFIER:  
0264-410X(06)00393-8 LANGUAGE: English PUBLISHER: Elsevier B.V.



6/3, K/4 (Item 2 from file: 399)  
 DIALOG(R) File 399: CA SEARCH(R)  
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138013499 CA: 138(2)13499n PATENT  
 Hybrids of *M. tuberculosis* antigens used as vaccines  
 INVENTOR(AUTHOR): Andersen, Peter; Olsen, Anja Weinreich; Skjot, Rikke  
 Louise Vinther; Rasmussen, Peter Birk  
 LOCATION: Den.  
 PATENT: U.S. Pat. Appl. Publ.; US 20020176867 A1 DATE: 20021128  
 APPLICATION: US 805427 (20010313) \*US PV44624 (19970418) \*DK 971277  
 (19971110) \*US PV70488 (19980105) \*US 246191 (19981230)  
 PAGES: 36 pp., Cont.-in-part of U.S. Ser. No. 246,191, abandoned.  
 CODEN: USXXCO LANGUAGE: English  
 PATENT CLASSIFICATIONS:  
 CLASS: 424190100; A61K-039/04A; C07K-014/30B

6/3, K/5 (Item 3 from file: 399)  
 DIALOG(R) File 399: CA SEARCH(R)  
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137061764 CA: 137(5)61764w JOURNAL  
 Oral vaccination with subunit vaccines protects animals against aerosol  
 infection with *Mycobacterium tuberculosis*  
 AUTHOR(S): Doherty, T. Mark; Olsen, Anja Weinrich; van Pinxteren, Laurens  
 ; Andersen, Peter  
 LOCATION: Department of Tuberculosis Immunology, Statens Serum Institute,  
 Copenhagen, 2300 S, Den.  
 JOURNAL: Infect. Immun. (Infection and Immunity) DATE: 2002 VOLUME: 70  
 NUMBER: 6 PAGES: 3111-3121 CODEN: INFI BR ISSN: 0019-9567 LANGUAGE:  
 English PUBLISHER: American Society for Microbiology

6/3, K/6 (Item 4 from file: 399)  
 DIALOG(R) File 399: CA SEARCH(R)  
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136246016 CA: 136(16)246016b JOURNAL  
 Failure of the *Mycobacterium bovis* BCG vaccine: some species of  
 environmental mycobacteria block multiplication of BCG and induction of  
 protective immunity to tuberculosis  
 AUTHOR(S): Brandt, Lise; Cunha, Joana Feino; Olsen, Anja Weinreich;  
 Chikama, Ben; Hirsch, Penny; Appelberg, Rui; Andersen, Peter  
 LOCATION: Department of TB Immunology, Statens Serum Institut, Copenhagen  
 , 2300, Den.  
 JOURNAL: Infect. Immun. DATE: 2002 VOLUME: 70 NUMBER: 2 PAGES:  
 672-678 CODEN: INFI BR ISSN: 0019-9567 LANGUAGE: English PUBLISHER:  
 American Society for Microbiology

6/3, K/7 (Item 5 from file: 399)  
 DIALOG(R) File 399: CA SEARCH(R)  
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133148866 CA: 133(11)148866x JOURNAL  
 Efficient protection against *Mycobacterium tuberculosis* by vaccination  
 with a single subdominant epitope from the ESAT-6 antigen  
 AUTHOR(S): Olsen, Anja Weinreich; Hansen, Paul Robert; Holm, Arne;  
 Andersen, Peter  
 LOCATION: Department of TB Immunology, Statens Serum Institute,  
 Copenhagen, Den.  
 JOURNAL: Eur. J. Immunol. DATE: 2000 VOLUME: 30 NUMBER: 6 PAGES:

10563731APOLAR.txt  
 1724-1732 CODEN: EJIMAF ISSN: 0014-2980 LANGUAGE: English PUBLISHER:  
 Wiley-VCH Verlag GmbH  
 ? E AU=ROSENKRANDS, I DA

Ref	Items	Index-term
E1	2	AU=ROSENKRANDS, I *
E2	81	* AU=ROSENKRANDS, I DA
E3	1	AU=ROSENKRANDS, JOHANNES W
E4	1	AU=ROSENKRANDS, JOHN W
E5	1	AU=ROSENKRANDS, JOHN W
E6	1	AU=ROSENKRANDS, NI ELS PETER
E7	2	AU=ROSENKRANDS, P.
E8	1	AU=ROSENKRANDS, T.
E9	1	AU=ROSENKRANDZ I
E10	1	AU=ROSENKRANG, G
E11	1	AU=ROSENKRANK H
E12	1	AU=ROSENKRANK W

Enter P or PAGE for more

? S E1-E12

2	AU=ROSENKRANDS, I *
81	AU=ROSENKRANDS, I DA
1	AU=ROSENKRANDS, JOHANNES W
1	AU=ROSENKRANDS, JOHN W
1	AU=ROSENKRANDS, JOHN W
1	AU=ROSENKRANDS, NI ELS PETER
2	AU=ROSENKRANDS, P.
1	AU=ROSENKRANDS, T.
1	AU=ROSENKRANDZ I
1	AU=ROSENKRANG, G
1	AU=ROSENKRANK H
1	AU=ROSENKRANK W

S7 94 E1-E12

? S S7 AND (MYCOBAC?)

94 S7

664808 MYCOBAC?

S8 72 S7 AND (MYCOBAC?)

? RD

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S9 46 RD (unique items)

? S S9 AND (APOLAR OR NONPOLAR OR NON-POLAR)

46 S9

26258 APOLAR

89988 NONPOLAR

2165 NON-POLAR

S10 1 S9 AND (APOLAR OR NONPOLAR OR NON-POLAR)

? T S10/3, K/1

>>>KW C option is not available in file(s): 399

10/3, K/1 (Item 1 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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142133056 CA: 142(8)133056v PATENT

Vaccines comprising cationic surfactant and lipid extract of  
 Mycobacterium BCG as adjuvant for treating cancer, allergy and autoimmune  
 disease

INVENTOR(AUTHOR): Agger, Else Marie; Andersen, Peter; Olsen, Anja;

Rosenkrands, Ida

LOCATION: Den.

ASSIGNEE: Statens Serum Institut

PATENT: PCT International ; WO 200504911 A2 DATE: 20050120

APPLICATION: WO 2004DK488 (20040707) \*DK 20031046 (20030709) \*DK 20031403 (20030927)

PAGES: 52 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-039/39A; A61K-039/04B; A61P-031/06B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

? S (NONPOLAR OR APOLAR OR NON-POLAR) AND (MYCOBAC?) AND (DI METHYLDI OCTADECYLAMMONIUM?)

89988 NONPOLAR

26258 APOLAR

2165 NON-POLAR

664808 MYCOBAC?

2497 DI METHYLDI OCTADECYLAMMONIUM?

S11 0 (NONPOLAR OR APOLAR OR NON-POLAR) AND (MYCOBAC?) AND (DI METHYLDI OCTADECYLAMMONIUM?)

? S (NONPOLAR OR APOLAR OR NON-POLAR) AND (MYCOBAC?)

89988 NONPOLAR

26258 APOLAR

2165 NON-POLAR

664808 MYCOBAC?

S12 487 (NONPOLAR OR APOLAR OR NON-POLAR) AND (MYCOBAC?)

? S S12 AND DDA

487 S12

11570 DDA

S13 1 S12 AND DDA

? S S12 AND ESAT6?

487 S12

1149 ESAT6?

S14 1 S12 AND ESAT6?

? S S12 AND FRACTION

487 S12

2658162 FRACTION

S15 40 S12 AND FRACTION

? RD

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S16 10 RD (unique items)

? T S16/3, K/1-10

>>>KW C option is not available in file(s): 399

16/3, K/1 (Item 1 from file: 5)

DI ALOG(R) File 5: Biosis Previews(R)

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18430121 BIOSIS NO.: 200510124621

Compartmentalization of lipid biosynthesis in mycobacteria

10563731APOLAR.txt

AUTHOR: Morita Yasu S; Velasquez Rene; Taig Ellen; Waller Ross F; Patterson John H; Tull Dedreia; Williams Spencer J; Billman-Jacobe Helen; McConville Malcolm J (Reprint)

AUTHOR ADDRESS: Univ Melbourne, Mol Sci and Biotechnol Inst B1021, Dept Biochem and Mol Biol, 30 Flemington Rd, Parkville, Vic 3010, Australia\*\* Australia

AUTHOR E-MAIL ADDRESS: malcolm@unimelb.edu.au

JOURNAL: Journal of Biological Chemistry 280 (22): p21645-21652 JUN 3 05 2005

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

Compartmentalization of lipid biosynthesis in mycobacteria

ABSTRACT: The plasma membrane of *Mycobacterium* sp. is the site of synthesis of several distinct classes of lipids that are either...  
...clearly resolved from the cell wall by isopycnic density centrifugation and amplified in rapidly dividing *Mycobacterium smegmatis*. In contrast, the major pool of apolar PLMs and enzymes involved in polar PLM biosynthesis were localized to a denser fraction that contained both plasma membrane and cell wall markers (PM-CW). Based on the resistance...

DESCRIPTORS:

BIOSYSTEMATIC NAMES: *Mycobacteri*a-...

...*Mycobacteriaceae*-...

...*Mycobacteri*a, *Actinomycetes* and Related Organisms, *Eubacteri*a, *Bacteri*a, *Microorganisms*

ORGANISMS: *Mycobacteri*a (*Mycobacteri*a); ...

...*Mycobacterium smegmatis* (*Mycobacteriaceae*)

CHEMICALS & BIOCHEMICALS:

BIOSYSTEMATIC CODES:

08880 *Mycobacteri*a

...

...08881 *Mycobacteriaceae*

COMMON TAXONOMIC TERMS:

16/3, K/2 (Item 2 from file: 5)

DIALOG(R) File 5: Biosis Previews(R)

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14253833 BIOSIS NO.: 199800048080

Lipids from *Mycobacterium leprae* cell wall suppress T-cell activation in vivo and in vitro

AUTHOR: Moura A C N (Reprint); Mariano M

AUTHOR ADDRESS: Hosp. Evandro Chagas, Oswaldo Cruz Inst., Oswaldo Cruz Foundation, Avenida Brasil 4365, Mangueiras, 21045-900 Rio de Janeiro, Brazil\*\*Brazil

JOURNAL: Immunology 92 (4): p429-436 Dec., 1997 1997

MEDIUM: print

ISSN: 0019-2805

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

Lipids from *Mycobacterium leprae* cell wall suppress T-cell activation

in vivo and in vitro

ABSTRACT: The influence of *Mycobacterium leprae* cell wall lipids on lymphocyte functions has been investigated in vivo (delayed-type hypersensitivity)... inflammatory response has been earlier evaluated by the mouse footpad oedema model and the delipidated mycobacteria evoked a mild but significant inflammatory response. Herein a higher level of hypersensitivity reaction was observed with delipidated bacilli than with the intact mycobacteria. The lipids obtained from the extract of *M leprae* external cell wall were used to...

...method of lipidic extraction and the sodium dodecyl sulphate-polyacrylamide gel electrophoresis of the lipid fraction did not reveal any trace of proteins. Thin-layer chromatography of this extract detected four different bands with an apolar character, suggestive of mycolic and fatty acids. These same *M leprae* liposomes potently suppressed lymph...

...we have previously observed in macrophage functions in vivo and in vitro. Although this lipidic fraction showed a suppressive action on T lymphocytes in vitro (proliferation) and in vivo (delayed-type...

DESCRIPTORS:

...BIOSYSTEMATIC NAMES: *Mycobacteriaceae*...

...*Mycobacteria*, *Actinomycetes* and Related Organisms, *Eubacteria*, *Bacteria*, *Microorganisms*  
 ...ORGANISMS: *Mycobacterium leprae* (*Mycobacteriaceae*)  
 CHEMICALS & BIOCHEMICALS: *Mycobacterium leprae* cell wall lipids

BIOSYSTEMATIC CODES:

...08881 *Mycobacteriaceae*

COMMON TAXONOMIC TERMS:

16/3, K/3 (Item 3 from file: 5)  
 DIAGNOSTIC File 5: Biosis Previews(R)  
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12263751 BIOSIS NO.: 199497285036

Phospholipids of *Mycobacterium intracellulare* inhibit T cell blastogenesis

AUTHOR: Tomioka Haruaki (Reprint); Saito Hajime

AUTHOR ADDRESS: Dep. Microbiol. Immunology, Shimane Med. Univ., Izumo, Shimane 693, Japan\*\*Japan

JOURNAL: Microbiology (Reading) 140 (4): p829-837 1994 1994

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

Phospholipids of *Mycobacterium intracellulare* inhibit T cell blastogenesis

ABSTRACT: A crude lipid fraction obtained from *Mycobacterium intracellulare* (M whole lipids) suppressed concanavalin A (Con A)-induced blastogenesis of murine spleen cells (SPCs). Among three lipid fractions, the phospholipid fraction possessed the highest inhibitory activity, followed by the polar mycocide fraction, but the apolar mycocide fraction showed no activity. Since M whole lipid and phospholipid fractions inhibited the Con A-induced... cell line, CTLL-2. When SPCs were pretreated with either M whole lipid or phospholipid fraction for 24 h, an irreversible reduction in Con

A responsiveness was seen only in the...

... SPC culture with Con A. M whole lipids and the three lipid fractions (polar mycocide, apolar mycocide, and phospholipid fractions) did not exhibit suppressor cell-inducing activity, while M whole lipid fraction antagonized the Con A-mediated generation of suppressor cells. Silica gel thin layer chromatography of the phospholipid fraction showed four spots containing phosphate and one spot without. SPC Con A blastogenesis-inhibitory activity...

DESCRIPTORS:

... BIOSYSTEMATIC NAMES: *Mycobacteriaceae* - ...

... *Mycobacteria*, *Actinomycetes* and Related Organisms, *Eubacteria*, *Bacteria*, *Microorganisms*

... ORGANISMS: *Mycobacterium intracellulare* (*Mycobacteriaceae*)

CHEMICALS & BIOCHEMICALS:

BIOSYSTEMATIC CODES:

... 08881 *Mycobacteriaceae*

COMMON TAXONOMIC TERMS:

16/3, K/4 (Item 4 from file: 5)  
DIALOG(R) File 5: Biosis Previews(R)  
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11740875 BIOSIS NO.: 199395043141

A new glycolipid from *Mycobacterium avium* *Mycobacterium intracellulare* complex

AUTHOR: Watanabe Motoko (Reprint); Kudoh Sukeyoshi; Yamada Yasuji; Iguchi Kazuo; Minnikin David E

AUTHOR ADDRESS: Res. Inst. of BCG, 3-1-5 Matsuyama, Kiyose, Tokyo 204, Japan\*\*Japan

JOURNAL: *Biochimica et Biophysica Acta* 1165 (1): p53-60 1992

ISSN: 0006-3002

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

A new glycolipid from *Mycobacterium avium* *Mycobacterium intracellulare* complex

ABSTRACT: From a nonpolar lipid fraction of *Mycobacterium avium* - *Mycobacterium intracellulare* complex cell mass, a new glycolipid was obtained, which was shown to be 5...

... clinical isolates, were found to contain this glycolipid. But the glycolipid was not detected in *Mycobacterium bovis* BCG or *Mycobacterium tuberculosis* H37Rv.

DESCRIPTORS:

BIOSYSTEMATIC NAMES: *Mycobacteriaceae* - ...

... *Mycobacteria*, *Actinomycetes* and Related Organisms, *Eubacteria*, *Bacteria*, *Microorganisms*

ORGANISMS: *Mycobacterium avium* *Mycobacterium intracellulare* (*Mycobacteriaceae*); ...

... *Mycobacterium bovis* (*Mycobacteriaceae*); ...

... *Mycobacterium tuberculosis* (*Mycobacteriaceae*)

CHEMICALS & BIOCHEMICALS:

BIOSYSTEMATIC CODES:

08881 Mycobacteriaceae

COMMON TAXONOMIC TERMS:

16/3, K/5 (Item 1 from file: 34)  
 DIALOG(R) File 34: Sci Search(R) Cited Ref Sci  
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05742415 Genuine Article#: WJ832 No. References: 44  
 Title: Polynuclear aromatic hydrocarbon metabolism in soils: Relationship  
 to soil characteristics and preexposure  
 Author: Carmichael LM; Praender FK (REPRINT)  
 Corporate Source: UNIV N CAROLINA, DEPT ENVIRONM SCI & ENGN, CB 7400 ROSENAU  
 HALL/CHAPEL HILL//NC/27599 (REPRINT); UNIV N CAROLINA, DEPT ENVIRONM SCI  
 & ENGN/CHAPEL HILL//NC/27599  
 Journal: ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY, 1997, V16, N4 (APR), P  
 666-675  
 ISSN: 0730-7268 Publication Date: 19970400  
 Publisher: SETAC PRESS, 1010 NORTH 12TH AVE, PENSACOLA, FL 32501-3370  
 Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

... Abstract: aromatic hydrocarbons (PAHs), The soils and [C-14] PAHs studied  
 represent a range of characteristics (fraction of soil organic  
 carbon [f(oc)] and PAH solubility) that can potentially impact  
 contaminant fate...

... and K-ow), and many characteristics of soils (soil f(oc) and PAH  
 concentration). The fraction of silt and clay in the soils for  
 each soil-PAH combination, however, was negatively...

... Identifiers: MICROBIAL COMMUNITIES; MYCOBACTERIUM SP; DEGRADATION;  
 BIODEGRADATION; SUBSURFACE; SEDIMENTS; BENZO<A>PYRENE; PHENANTHRENE;  
 PYRENE; WATER

Research Fronts: 95-0186 001 (SEDIMENT TRANSPORT MODEL; SOIL SORPTION;  
 NONPOLAR ORGANIC POLLUTANTS; POLYCYCLIC AROMATIC HYDROCARBONS;  
 TIDAL CURRENTS IN THE EASTERN IRISH SEA; LOG K-OC...

16/3, K/6 (Item 1 from file: 135)  
 DIALOG(R) File 135: NewsRx Weekly Reports  
 (c) 2010 NewsRx. All rts. reserv.

0000307065 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
 Studies from Aga Khan University, Karachi highlight most recent findings  
 Obesity, Fitness & Wellness Week, June 13, 2006, p.146

DOCUMENT TYPE: Expanded Reporting LANGUAGE: English  
 RECORD TYPE: FULLTEXT  
 WORD COUNT: 1273

Study 1: Elevated C-C chemokine ligand-2 concomitant with reduced  
 Mycobacterium-induced response leads to leprosy disease  
 dissemination.

According to a study from Pakistan, "Mycobacterium leprae and  
 Mycobacterium tuberculosis are successful intracellular pathogens  
 which downregulate host immune responses.

"T-cell interferon-gamma (IFN...

... lowered in leprosy, as compared with TB patients and healthy controls.

"However," continued investigators, "both Mycobacterium bovis  
 BCG (p=0.08) and M leprae-induced (p=0.05) CCL2 secretion was...

... CCL5 (p=0.08) than M leprae, while CXCL8 induction was comparable.

"Overall levels of Mycobacterium-induced CCL2, TNF alpha and CXCL8 were 2- to 3-fold lower, and CCL5 was...

...TNF alpha response in lepromatous leprosy may contribute to the unrestricted growth and dissemination of mycobacteria found in the disease."

Hasan and colleagues published their study in Scandinavian Journal of Immunology (Elevated serum CCL2 concomitant with a reduced Mycobacterium-induced response leads to disease dissemination in leprosy. Scand J Immunol, 2006; 63(3):241...

...Or exhibited a stimulant effect resistant to atropine while sensitive to pyrilamine pretreatment. The aqueous fraction, showing a strong presence of saponins, was found to be more efficacious than the nonpolar fractions in its spasmogenic effect."

"This study shows," concluded the authors, "the presence of species...

16/3, K/7 (Item 1 from file: 357)  
DIALOG(R) File 357: Derwent Biotech Res.  
(c) 2010 Thomson Reuters. All rights reserved.

0360701 DBR Accession No.: 2005-06405 PATENT  
New adjuvant comprising a surfactant and a lipid extract of a mycobacterium e.g. the BCG, M microti, M tuberculosis, and M vaccae, useful for preparing a vaccine for treating cancer, allergy or autoimmune diseases - for cancer, allergy and autoimmune disease therapy

AUTHOR: AGGER E M; ANDERSEN P; OLSEN A; ROSENKRANDS I  
PATENT ASSIGNEE: STATENS SERUM INST 2005  
PATENT NUMBER: WO 200504911 PATENT DATE: 20050120 WPI ACCESSION NO.: 2005-101793 (200511)  
PRIORITY APPLIC. NO.: DK 20031403 APPLIC. DATE: 20030927  
NATIONAL APPLIC. NO.: WO 2004DK488 APPLIC. DATE: 20040707  
LANGUAGE: English

New adjuvant comprising a surfactant and a lipid extract of a mycobacterium e.g. the BCG, M microti, M tuberculosis, and M vaccae, useful for preparing a...

ABSTRACT: DERWENT ABSTRACT: NOVELTY - An adjuvant comprising a surfactant and a lipid extract of a mycobacterium e.g. the BCG, M microti, M tuberculosis, and M vaccae, is new. DETAILED DESCRIPTION...

... method. BIOTECHNOLOGY - Preferred Adjuvant: The adjuvant comprises the lipid extract comprising the total lipid extract, apolar fraction or part of the apolar fraction of the mycobacterium cited above. The part of the apolar fraction of the lipid extract can be phthiocerol dimycocerosates, trehalose mycolipenates, glycosylated phenol phthiocerols (including phenolic...

... Preferred Vaccine: The vaccine comprises an antigenic component comprising an antigenic epitope from a virulent mycobacterium e.g. Mycobacterium tuberculosis, M bovis, or M africanum The antigenic component is an ESAT6-Ag85B hybrid or...

... The vaccine is administered parenterally, orally or mucosally (claimed).  
EXAMPLE - Total lipids, purified polar or apolar lipids were prepared by re-dissolving dry lipid material with Milli Q water at 1...

DESCRIPTORS: bcg, Mycobacterium tuberculosis, Mycobacterium bovis, Mycobacterium africanum vaccine prep., appl., cancer, allergy, autoimmune disease therapy bacterium tumor cytostatic anti allergic immunosuppressive (24...



16/3, K/8 (Item 1 from file: 149)  
 DIALOG(R) File 149: TGG Health&Wellness DB(SM)  
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03639568 SUPPLIER NUMBER: 177908449 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Evaluation of antiprotozoal and antimycobacterial activities of the resin glycosides and the other metabolites of *Scrophularia cryptophila*.  
 Tasdemir, Deniz; Brun, Reto; Franzblau, Scott G.; Sezgin, Yukselen; Calis, Ihsan

Phytomedicine: International Journal of Phytotherapy & Phytopharmacology, 15, 3, 209(7)

March,  
 2008

PUBLICATION FORMAT: Magazine/Journal ISSN: 0944-7113 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Academic

WORD COUNT: 4114 LINE COUNT: 00375

...AUTHOR ABSTRACT: as they inhibited all four parasitic protozoa. None of the isolates had significant activity against *Mycobacterium tuberculosis* (MCs > 100 (micro)g/ml) or were toxic towards mammalian (L6) cells. This is...

...7).

(c) 2007 Published by Elsevier GmbH.

Keywords: Resin glycosides; *Scrophularia*; *Scrophulariaceae*; *Plasmodium*; *Trypanosoma*; *Leishmania*; *Mycobacterium*

... is estimated that one-third of the world's population is infected with tubercle bacillus *Mycobacterium tuberculosis*, which causes 8 million new cases and 2 million deaths per year (WHO, 2004...

...increases the bioactivity significantly. It is interesting to note that compound 3 is the most apolar resin glycoside. A correlation between lipophilicity and biological activity has been observed with antibacterial *Convolvulaceae*...

...Microplate alamar blue assay versus BACTEC 460 system for high-throughput screening of compounds against *Mycobacterium tuberculosis* and *Mycobacterium avium* Antimicrob. Agents Chemother. 41, 1004-1009.

Cunningham I., 1977. New culture medium for maintenance...

...T., Guo, Y.-T., Miyahara, K., 1998. Components of the ether-insoluble resin glycoside-like fraction from *Oscutia chinensis*. Phytochemistry 48, 843-850.

Du, X.-M., Sun, N.-Y., Nishi, M., Kawasaki, T., Guo, Y.-T., Miyahara, K., 1999. Components of the ether-insoluble resin glycoside fraction from the seed of *Oscutia australis*. J. Nat. Prod. 62, 722-725.

Eran, A.M..

16/3, K/9 (Item 2 from file: 149)  
 DIALOG(R) File 149: TGG Health&Wellness DB(SM)  
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02942606 SUPPLIER NUMBER: 102677161 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Immunomodulatory activity of *Mollugo verticillata* L.

Ferreira, A.P.; Soares, G.L.G.; Salgado, C.A.; Goncalves, L.S.; Teixeira, F.M.; Teixeira, H.C.; Kaplan, M.A.C.

Phytomedicine: International Journal of Phytotherapy & Phytopharmacology,

154(5)

March,

2003

PUBLICATION FORMAT: Magazine/Journal ISSN: 0944-7113 LANGUAGE: English

RECORD TYPE: Fulltext TARGET AUDIENCE: Academic

WORD COUNT: 2704 LINE COUNT: 00239

... cells, but suppress the immune response of these cells when treated with BCG antigen and *Mycobacterium tuberculosis* whole antigen (TB). Preliminary phytochemical tests allowed the detection of quercetin and triterpenoid glycosides...

...used. These animals were raised in plastic cages with unlimited access to food and water. *Mycobacterium bovis* BCG strain Monroe was obtained from Ataulpho de Paiva Institute, Rio de Janeiro, RJ... in a Soxhlet device for 24 h. This material, with a low level of almost apolar compounds (hydrocarbons, long-chain alcohols and other lipids) was then submitted to exhaustive extraction with...

...vacuo and fractionated using crescent polarity solvents (hexane, dichloromethane, ethyl acetate and water). The hydroalcoholic fraction (EE) was dried in vacuo and lyophilized.

Detection of Triterpene and Flavonoid Derivatives in the...

...stimulated in vitro with BCG antigen (10 pg/ml), LPS (1 (micro)g/ml) and *Mycobacterium tuberculosis* whole antigen (TB-50 (micro)g/ml) with or without *M. verticillata* (25 (micro)g/ml)...

...the first week of infection, the early innate immune response is the main mechanism controlling *Mycobacteria* proliferation. (Yoshida et al., 1995; Pelletier et al., 1982). In inbred strains of mice, early...

...K, Inglis S, Dempsey WL (1998) Inhibition of tumor necrosis factor alpha alters resistance to *Mycobacterium avium* complex infection in mice. *Antimicrob Agents Chemother* 42:2336-2341

Brown DH, Lafuse W, Zwilling BS (1995) Cytokine-mediated activation of macrophages from *Mycobacterium bovis* BCG-resistant and susceptible mice: differential effects of corticosterone on antimycobacterial activity and expression...

...injection of an extract of *Ascaris suum* on macrophage activation during the early phase of *Mycobacterium bovis* BCG in C57B1/6 mice. *Braz J Med Biol Res* 32:1429-1436

Mabberley...

...Y, Masato U, Yoshida A (1995) Dissection of strain difference in acquired protective immunity against *Mycobacterium bovis* Calmette-Guérin bacillus (BCG). *J Immunol* 155:2057-2066

Wagner H, Bladt S, Zgajnski...

16/3, K/10 (Item 1 from file: 444)  
 DIALOG(R) File 444: New England Journal of Med.  
 (c) 2010 Mass. Med. Soc. All rights reserved.

00115015

Copyright 1995 by the Massachusetts Medical Society

Medical Progress: Drug-Induced Hepatotoxicity (Review Articles)

Lee, William M  
 The New England Journal of Medicine  
 Oct 26, 1995; 333 (17), pp 1118-1127

LINE COUNT: 00555

10563731APOLAR.txt  
WORD COUNT: 07663

#### TEXT

...that they can be filtered by the glomerulus or excreted in bile.  
Biotransformation from a nonpolar to a polar compound takes place in  
several steps, grouped as phase 1 and phase...transferase and  
sulfotransferase are available, (Ref. 4) phase 2 reactions predominate,  
with only a small fraction of acetaminophen metabolized directly by  
cytochrome P450, unless the quantity of acetaminophen exceeds the capacity  
...

#### CITED REFERENCES

...33:387-401.

75. Chiu J, Nussbaum J, Bozzette S, et al. Treatment of disseminated  
Mycobacterium avium complex infection in AIDS with amikacin,  
ethambutol, rifampin, and ciprofloxacin. Ann Intern Med 1990...

? DS

Set	Items	Description
S1	71	E1-E12 AND (MYCOBAC? OR APOLAR OR NONPOLAR)
S2	37	RD (unique items)
S3	236	E1-E12 AND (MYCOBA? OR NONPOLAR OR APOLAR)
S4	1	S3 AND (APOLAR OR NONPOLAR)
S5	13	E1-E2
S6	7	S5 AND (MYCOB?)
S7	94	E1-E12
S8	72	S7 AND (MYCOBAC?)
S9	46	RD (unique items)
S10	1	S9 AND (APOLAR OR NONPOLAR OR NON-POLAR)
S11	0	(NONPOLAR OR APOLAR OR NON-POLAR) AND (MYCOBAC?) AND (DI-METHYLDI OCTADECYLAMMONIUM?)
S12	487	(NONPOLAR OR APOLAR OR NON-POLAR) AND (MYCOBAC?)
S13	1	S12 AND DDA
S14	1	S12 AND ESAT6?
S15	40	S12 AND FRACTION
S16	10	RD (unique items)
? S		(NONPOLAR OR APOLAR OR NON-POLAR) AND (DI-METHYLDI OCTADECYLAMMONIUM?)
	89988	NONPOLAR
	26258	APOLAR
	2165	NON-POLAR
	2497	DI-METHYLDI OCTADECYLAMMONIUM?
S17	5	(NONPOLAR OR APOLAR OR NON-POLAR) AND (DI-METHYLDI OCTADECYLAMMONIUM?)

? RD

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S18 3 RD (unique items)

? T S18/3, K/1-3

>>>KW C option is not available in file(s): 399

18/3, K/1 (Item 1 from file: 34)

DI ALOG(R) File 34: Sci Search(R) Cited Ref Sci

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03118653 Genuine Article#: NG405 No. References: 55

Title: PHOTOPROCESSES OF EOSIN AND ROSE-BENGAL ION-PAIRS WITH CATIONIC  
SURFACTANT IN NONPOLAR-SOLVENTS - APPLICATION IN  
PHOTOSENSITIZATION STUDIES

Author: BILSKI P; DABESTANI R; CHIGNELL CF

10563731APOLAR.txt

Corporate Source: NIEHS, MOLEC BIO PHYS LAB/ RES TRIANGLE PK/ / NC/ 27709  
Journal: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, 1994, V79  
, N1-2 (APR 10), P121-130  
ISSN: 1010-6030  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: PHOTOPROCESSES OF EOSIN AND ROSE-BENGAL ION-PAIRS WITH CATIONIC  
SURFACTANT IN NONPOLAR SOLVENTS - APPLICATION IN  
PHOTOSENSITIZATION STUDIES

... Abstract: We have studied the photoproperties of ion pairs formed  
between RB or Eo and the dimethyldioctadecyl ammonium cation (RDS2  
and EoS2) in isooctane, CCl<sub>4</sub>, toluene and CH<sub>2</sub>Cl<sub>2</sub>. No significant  
concentration-dependent aggregation...

18/3, K/2 (Item 1 from file: 72)  
DIALOG(R) File 72: EMBASE  
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0068087686 EMBASE/ Medline No: 10814263  
Vesicles accelerate proton transfer from carbon up to 850-fold.  
Perez-Juste J.; Hollfelder F.; Kirby A.J.; Engberts J.B.  
Department of Organic and Molecular Inorganic Chemistry, University of  
Groningen, The Netherlands.  
CORRESP. AUTHOR/ AFFIL: Perez-Juste J.: Department of Organic and  
Molecular Inorganic Chemistry, University of Groningen, The Netherlands.

Organic Letters (Org. Lett.) (United States) January 27, 2000, 2/2  
(127-130)  
ISSN: 1523-7060  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
FILE SEGMENT: Medline  
LANGUAGE: English

... reaction of 1. Vesicles are more effective catalysts than micelles,  
most likely providing a more apolar microenvironment at the substrate  
binding sites. We suggest that this leads to a catalytic reaction...

DRUG TERMS (UNCONTROLLED): didodecyl dimethyl ammonium  
dimethyldioctadecyl ammonium

18/3, K/3 (Item 1 from file: 149)  
DIALOG(R) File 149: TGG Health & Wellness DB(SM)  
(c) 2010 Gale/Cengage. All rights reserved.

01147414 SUPPLIER NUMBER: 06331421 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Cavitation and the interaction between macroscopic hydrophobic surfaces.  
Christenson, Hugo K.; Claesson, Per M  
Science, v239, n4838, p390(3)  
Jan 22,  
1988  
PUBLICATION FORMAT: Magazine/Journal ISSN: 0036-8075 LANGUAGE: English  
RECORD TYPE: Fulltext TARGET AUDIENCE: Academic  
WORD COUNT: 1307 LINE COUNT: 00130

... 4) of double-chain cationic hydrocarbon and fluorocarbon  
surfactants on mica. The hydrocarbon surfactant was  
dimethyldioctadecyl ammonium bromide (DDOA; deposition pressure of 25  
mN/m), and the fluorocarbon surfactant was N-([alpha... between macroscopic  
surfaces down to molecular dimensions (2) is not justified. The hydrophobic  
effect between nonpolar solute molecules and the hydrophobic  
attraction between macroscopic surfaces are not the same thing.

Nevertheless...

? DS

Set	Items	Description
S1	71	E1- E12 AND ( MYCOBAC? OR APOLAR OR NONPOLAR)
S2	37	RD (unique items)
S3	236	E1- E12 AND ( MYCOBA? OR NONPOLAR OR APOLAR)
S4	1	S3 AND ( APOLAR OR NONPOLAR)
S5	13	E1- E2
S6	7	S5 AND ( MYCOB?)
S7	94	E1- E12
S8	72	S7 AND ( MYCOBAC?)
S9	46	RD (unique items)
S10	1	S9 AND ( APOLAR OR NONPOLAR OR NON- POLAR)
S11	0	( NONPOLAR OR APOLAR OR NON- POLAR) AND ( MYCOBAC?) AND ( DI ME- THYLDI OCTADECYLAMMONI UM?)
S12	487	( NONPOLAR OR APOLAR OR NON- POLAR) AND ( MYCOBAC?)
S13	1	S12 AND DDA
S14	1	S12 AND ESAT6?
S15	40	S12 AND FRACTI ON
S16	10	RD (unique items)
S17	5	( NONPOLAR OR APOLAR OR NON- POLAR) AND ( DI METHYLDI OCTADECYL- AMMONI UM?)
S18	3	RD (unique items)

S20 80 RD (unique items)

? S S20 AND ( FRACTI ON?)

80 S20

4429933 FRACTI ON?

S21 1 S20 AND ( FRACTI ON?)

? S S20 AND ( POLAR OR APOLAR OR NONPOLAR OR NON- POLAR OR CHLOROFORM OR METHANOL)

80 S20

814901 POLAR

26258 APOLAR

89988 NONPOLAR

2165 NON- POLAR

241157 CHLOROFORM

1634163 METHANOL

S22 0 S20 AND ( POLAR OR APOLAR OR NONPOLAR OR NON- POLAR OR  
CHLOROFORM OR METHANOL)

? S S20 AND SOLVENT

80 S20

1863555 SOLVENT

S23 2 S20 AND SOLVENT

? T S23/ 3, K/ 1- 2

>>>KW C option is not available in file(s): 399

23/ 3, K/ 1 (Item 1 from file: 72)

DI ALOG( R) File 72: EMBASE

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0082542044 EMBASE/ Medline No: 2008381027

Liposomes act as stronger sub-unit vaccine adjuvants when compared to  
microspheres

ISSUE TITLE: In Honour of Gregory Gregoriadis, Recipient of the Journal  
of Drug Targeting Life-time Achievement Award, 2008

Kirby D.; Rosenkrands I.; Agger E.; Andersen P.; Coombes A.; Perrie Y.  
Medicines Research Unit, School of Life and Health Sciences, Aston  
University, Birmingham United Kingdom

CORRESP. AUTHOR/ AFFIL: Perrie Y.: Medicines Research Unit, School of Life  
and Health Sciences, Aston University, Birmingham United Kingdom

10563731APOLAR.txt  
Journal of Drug Targeting ( J. Drug Targeting ) ( United Kingdom ) August  
22, 2008, 16/7-8 (543-554)  
CODEN: JDТАЕ ISSN: 1061-186X eISSN: 1029-2330  
PUBLISHER ITEM IDENTIFIER: 901326263  
DOI: 10.1080/10611860802228558  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 73

... external aqueous phase of a water-in-oil-in-water (w/o/w) double  
emulsion solvent evaporation process for the preparation of  
microspheres composed of poly(d,l-lactide-co-glycolide)...

DRUG DESCRIPTORS:

chitosan--pharmaceutics--pr; dimethyl dioctadecyl ammonium bromide  
--pharmaceutics--pr; early secretory antigenic target 6--intramuscular drug  
administration--im; early secretory antigenic target 6--pharmaceutics--pr;  
immunological adjuvant--pharmaceutics--pr; Mycobacterium vaccine  
--intramuscular drug administration--im; Mycobacterium vaccine  
--pharmaceutics--pr; oil; polyglactin--pharmaceutics--pr; solvent;  
surfactant; water

MEDICAL DESCRIPTORS:

CAS REGISTRY NO.: 9012-76-4 (chitosan); 3700-67-2 (  
dimethyl dioctadecyl ammonium bromide); 26780-50-7...

23/3, K/2 (Item 1 from file: 357)  
DI ALOG(R) File 357: Derwent Biotech Res.  
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0463517 DBR Accession No.: 2009-08958 PATENT

New functional liposomal configuration comprises ternary lipid system and a  
polynucleotide, useful for producing a liposomal gene vaccine for  
preventing and treating tuberculosis - pharmaceutical composition  
comprising liposome configuration containing ternary lipid system and  
polynucleotide, useful in producing liposomal gene vaccine for  
prevention and treatment of tuberculosis

AUTHOR: ANDRADE SANTANA M H; COELHO CASTELO A A M; GAZIOLA DE LA TORRE L;  
LOPES SILVA C; SILVA ROSADA R

PATENT ASSIGNEE: UNICAMP UNIV ESTADUAL CAMPINAS; UNIV SAO PAULO USP 2009

PATENT NUMBER: WO 200973941 PATENT DATE: 20090618 WPI ACCESSION NO.:

2009-K66021 (200946)

PRIORITY APPLIC. NO.: BR 20075630 APPLIC. DATE: 20071212

NATIONAL APPLIC. NO.: WO 2008BR387 APPLIC. DATE: 20081212

LANGUAGE: English

... ABSTRACT: Trimethyl ammonium Propane; 1,2-Dioleoyl-3-Trimethyl ammonium Pro  
pane; 1,2-Diacyl-3-Dimethyl ammonium Propane; DC-Cholesterol HCl;  
Dimethyl dioctadecyl ammonium Bromide; 1,2-Dilauroyl-sn-Glycerol-3-E  
thylphosphocholine; 1,2-Dimyristoyl-sn-Glycerol-3-Ethylphosphocholine...  
... liposomal gene vaccine LIPO-DNA-Hsp65 effective in reducing the colony  
forming units (CFU) of Mycobacterium tuberculosis. In that a  
previously determined amount of lipid solutions, that is, of the stock  
...

... flask, and homogenized in a rotary evaporator; after the homogenization  
period, the evaporation of the solvent used in the lipid  
solutions is promoted; the evaporation occurred under relative vacuum  
ranging between...

... phase transition temperature of the components until a dry film was  
formed; once all the solvent of the mixture was evaporated, the  
dry film obtained is hydrated with a enough amount...